

**AMENDMENTS TO THE CLAIMS**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1 - 68. (canceled)

69. (Previously Presented) A method of treating a human with a joint disease involving cartilage, the method comprising:

obtaining an electronic image of a joint, wherein said image includes both normal and diseased cartilage tissue;

electronically evaluating said image to obtain information comprising at least one of volume, area, thickness, shape, curvature, geometry, biochemical contents, signal intensity and relaxation time of said normal and/or diseased tissue; and

determining biomechanical data associated with the joint.

70. (Previously Presented) The method of claim 69, wherein biomechanical data includes static loading alignment.

71. (Previously Presented) The method of claim 69, wherein biomechanical data includes alignment during joint motion.

72. (Previously Presented) The method of claim 69, wherein biomechanical data includes alignment during gait.

73. (Previously Presented) The method of claim 69, wherein determining biomechanical data includes determining at least one axis associated with the joint.

74. (Previously Presented) The method of claim 69, wherein the at least one axis is associated with a femoral condyle coordinate system and includes one of a medial-lateral axis, an inferior-superior axis, and an anterior-posterior axis.

75. (Previously Presented) The method of claim 69, wherein the at least one axis is associated with a tibial coordinate system and includes one of a medial-lateral axis, an inferior-superior axis, and an anterior-posterior axis.

76. (Previously Presented) The method of claim 69, further comprising simultaneous displaying said information and biomechanical data.

77. (Previously Presented) The method of claim 69, further comprising providing a therapy based on said information and biomechanical data.

78. (Previously Presented) The method of claim 74, wherein said therapy includes using said information and biomechanical data to shape an implant.